

What is claimed is:

1. A process for coating a belt cord with rubber comprising aligning a plurality of belt cords each made of a steel filament as a cord unit, arranging a plurality of such cord units in parallel to each other at a given pitch in the same plane, and integrally coating all cords with an uncured rubber at a given outer profile shape through an insulation system under a movement of the cord in its axial direction immediately after the arrangement of these cord units in line.

2. A process according to claim 1, wherein a filament diameter of the belt cord is within a range of 0.18-0.35 mm.

3. A process according to claim 1, wherein a gauge of the uncured coating rubber including the belt cord is within a range of 0.5-1.2 mm.

4. An apparatus for coating belt cords with rubber comprising an insulator head arranged on a top of a cylinder provided with a screw in an extruder for an uncured rubber, an inserter arranged in the insulator head for guiding plural belt cords so as to pass them at a required relative posture, and a die for coating the belt cords after the pass through the inserter with an uncured rubber supplied from the cylinder at a required outer profile shape.

5. An apparatus according to claim 4, wherein a pressure sensor for the uncured rubber is arranged in the insulator head.

6. An apparatus according to claim 4, wherein the inserter is provided with plural holes each passing a plurality of belt cords as a cord unit and specifying the relative posture of these cords every the cord unit.